2) cystic neoplasms (serous cystadenomas, mucinous cystic neoplasms, papilary cystic neoplasms, acinar cell systadenocarcinoma, cystic choriocarcinoma, cystic teratomas, angiomatous neoplasms).

Preferred combinations of therapy for the treatment of non-metastatic adenocarcinoma that may be used in the present invention include the use of a COX-2 inhibitor along with preoperative bilary tract decompression (patients presenting with obstructive jaundice); surgical resection, including standard resection, extended or radial resection and distal pancreatectomy (tumors of body and tail); adjuvant radiation; antiangiogenic therapy; and chemotherapy.

For the treatment of metastatic adenocarcinoma, a preferred combination therapy consists of a COX-2 inhibitor of the present invention in combination with continuous treatment of 5- fluorouracil, followed by weekly cisplatin therapy.

A more preferred combination therapy for the treatment of cystic neoplasms is the use of a COX-2 inhibitor along with resection.

Example 7

Ovary Cancer

Celomic epithelial carcinoma accounts for approximately 90% of ovarian cancer cases. A preferred therapy for the treatment of ovary cancer is a combination of therapeutically effective amounts of one or more COX-2 inhibitors.

Preferred single agents that can be used in combination with a COX-2 inhibitor include, but are not limited to: alkylating agents, ifosfamide, cisplatin, carboplatin, taxol, doxorubicin, 5-fluorouracil, methotrexate, mitomycin, hexamethylmelamine, progestins, antiestrogens, prednimustine, dihydroxybusulfan, galactitol, interferon alpha, and interferon gama.

Preferred combinations for the treatment of celomic epithelial carcinoma is a combination of therapeutically effective amounts of one or more COX-2 inhibitors in combination with the following combinations of antineoplastic agents: 1) cisplatin, doxorubicin, cyclophosphamide; 2) hexamthylmelamine, cyclosphamide, doxorubicin, cisplatin; 3) cyclophosphamide, hexamehtylmelamine, 5-flurouracil, cisplatin; 4) melphalan, hexamethylmelamine, cyclophosphamide; 5) melphalan, doxorubicin, cyclophosphamide; 6) cyclophosphamide, cisplatin, carboplatin; 7) cyclophosphamide, doxorubicin, hexamethylmelamine, cisplatin; 8) cyclophosphamide, doxorubicin, hexamethylmelamine, carboplatin; 9) cyclophosphamide, cisplatin; 10) hexamethylmelamine, doxorubicin, carboplatin; 11) cyclophosphamide, hexamethlmelamine, doxorubicin, cisplatin; 12) carboplatin, cyclophosphamide; 13) cisplatin, cyclophosphamide.

Germ cell ovarian cancer accounts for approximately 5% of ovarian cancer cases. Germ cell ovarian carcinomas are classified into two main groups: 1) dysgerminoma, and nondysgerminoma. Nondysgerminoma is further classified into teratoma, endodermal sinus

tumor, embryonal carcinoma, chloricarcinoma, polyembryoma, and mixed cell tumors.

A preferred therapy for the treatment of germ cell carcinoma is a combination of therapeutically effective amounts of one or more COX-2 inhibitors.

A more preferred therapy for the treatment of germ cell carcinoma is a combination of therapeutically effective amounts of one or more COX-2 inhibitors in combination with the following combinations of antineoplastic agents: 1) vincristine, actinomycin D, cyclophosphamide; 2) bleomycin, etoposide, cisplatin; 3) vinblastine, bleomycin, cisplatin.

Cancer of the fallopian tube is the least common type of ovarian cancer, accounting for approximately 400 new cancer cases per year in the United States. Papillary serous adenocarcinoma accounts for approximately 90% of all malignancies of the ovarian tube.

A preferred therapy for the treatment of fallopian tube cancer is a combination of therapeutically effective amounts of one or more COX-2 inhibitors.

A more preferred therapy for the treatment of fallopian tube cancer is a combination of therapeutically effective amounts of one or more COX-2 inhibitors in combination with on or more of the following of antineoplastic agents: alkylating agents, ifosfamide, cisplatin, carboplatin, taxol, doxorubicin, 5-fluorouracil, methotrexate, mitomycin, hexamethylmelamine, progestins, antiestrogens, prednimustine, dihydroxybusulfan, galactitol, interferon alpha, and interferon gama.